

OPEN FILE

DATA FOR SMALL SYSTEMS USERS

SPRING 1986

CONTEST
WINNERS
INSIDE

OPENING REMARKS

At ICD we believe in keeping in touch with our customers. **OPEN FILE** is an attempt to do just that. As an ICD user, you will periodically receive this newsletter packed with product information, new innovations and news about our company, our customers and the industry. We would also like to hear from you. Please write us with your thoughts and opinions about our products, **OPEN FILE**, or anything else that's on your mind!

AN INTRODUCTION

ICD, Inc. was formed in January 1984 and includes two of the former partners of Mighty Byte Computer and Spartan Software of Minnesota. We are dedicated to the development and manufacture of high quality products for small computers at a reasonable cost to the consumer. Initially our products are strictly for the Atari Personal Computer line. Call us at our new number **815/968-2228**.

CALLING ALL COMPUTERS!

The ICD BBS is our 24 hour electronic bulletin board running at 300/1200/2400 baud. This is an ASCII/ATASCII board running BBCS software by Scott Brause on an Atari 800 XL with SpartaDOS 3.2a, 192K ramdisk (RAMBO XL), the R-Time 8 and a 10 Megabyte hard drive. This is the fastest Atari BBS we have ever seen! Have your computer call us at **815/968-2229**.



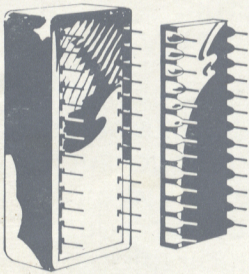
ICD, Inc.
1220 Rock Street
Rockford, IL 61101-1437

NEW PRODUCTS FOR THE ATARI

SpartaDOS Construction Set	\$39.95	The "Ultimate" DOS (now version 3.2)
US Doubler	\$69.95	Double Density for 1050 drives
US Doubler 5-8	\$50.00	Selectable as D5: to D8:
R-Time Cartridge	\$69.95	Clock with 5 year battery
RAMBO XL	\$49.95	256K 800 XL or 1200 XL (XE Compatible)
P:R:Connection	\$79.95	New Printer/MODEM Interface
Cables	\$15.00	Specify Printer or MODEM
Archiver I/CHIP	\$99.95	Copy plus utilities for 810
Happy Archiver	\$49.95	Archiver I for Happy 1050/810 Drive

SEE NEXT PAGE FOR PRODUCT SPECIFICS...

US Doubler!

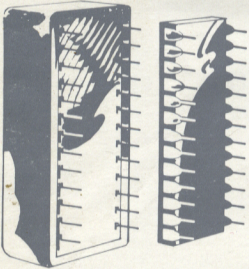


True Double Density (180 kilobytes) and high speed I/O for the 1050 drive. Also supports single density and the 130 KB Atari 'Dual Density' or 1050 mode. This is fully compatible with all existing Atari software. The high speed I/O (UltraSpeed) works with SpartaDOS to *TRIPLE* the speed of data transfer! Now

it includes a **FREE** SpartaDOS Construction Set. Two plug-in chips in the 1050 must be replaced and now, *no soldering* is required in most cases. (Call your dealer for details.) This hardware

modification also fixes some of the bugs in the early 1050s that prevented them from loading certain software programs. Even when not using SpartaDOS, the US Doubler increases the 1050s speed by about 8% and reads and writes more accurately than most standard 1050s. The US Doubler makes your 1050 drive compatible with all other Atari DOS's but we are sure you will use SpartaDOS as your main DOS once you learn the natural and powerful command structure. The new US Doubler package includes the SpartaDOS Construction Set manual with an easy to follow installation section, two SpartaDOS program diskettes, and the plug-in hardware modules. **SEE WHAT THE REVIEWERS SAY, INSIDE!**

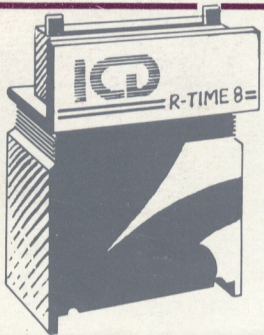
US Doubler 5-8



Developed for registered US Doubler owners who desire to use more than four drives with their Atari computer. The most obvious use is for bulletin boards. This special US Doubler chip set allows your drive to be set to any drive

number from 5 through 8. Neither SpartaDOS nor installation instructions are included since this is for registered US Doubler or SDCS owners only. It works with any DOS which supports more than 4 drives. For operation under SpartaDOS use version 2.3d or later. Note: you will *not* be able to use this drive as #1 (only 5-8) to boot the system with this special chip set installed.

R-TIME 8 Clock Cartridge



Adds a new dimension to the Atari: TIME/DATE — developed to provide continuous and automatic time/date information — plugs into any cartridge slot on an Atari Computer and updates SpartaDOS automatically and accurately. The R-Time 8 works in the right or left slot of the 800 computer. A unique

cartridge extension port in the top allows the use of other cartridges when using an XL/XE series computer. The R-Time 8 is supported through software as the clock for *Bulletin Board Construction*

Set (BBCS) from the ANTIC Arcade. Our new 'ZHAND' clock handler works with any DOS and allows simple XIO calls for easy R-Time 8 access through your favorite programming language. It comes with a built in 3-5 year battery! The R-TIME 8 does *not* use any cartridge area memory and is decoded in the \$D5B8-\$D5BF range so it will not interfere with other cartridges including Basic XE. ICD will provide complete service for \$20 US flat rate which includes all parts, timing adjustment, and battery replacement.

NOTE: R-Time 8 is now shipped with SpartaDOS 3.2. This new version supports BASIC XE, the 1200XL, modified operating systems, and hard disk drives.

RAMBO XL



Make your 800 XL or 1200 XL memory compatible with the 130 XE! This internal memory upgrade kit supplies all the signals necessary to turn your XL into a powerful 256K computer. Now you can use powerful BASIC XE with your XL computer! RAMBO XL supports the standard 64K RAMDISK supplied with Atari

DOS 2.5. The new RD.COM handler with SpartaDOS Construction Set gives a 192K RAMDISK! That's enough memory to duplicate a full double den-

sity disk in one pass! The new PaperClip word processor from Batteries Included supports RAMBO XL. The new Synfile + database from Synapse/ Broderbund now supports this memory expansion! RAMBO XL includes a plug-in decoding board and complete installation instructions. You supply the 8-256K DRAMs which plug into existing sockets where the 64K chips now reside (available for \$28.00 direct, price may change). Note: Some 800 XLs don't have sockets on all ICs. This will require extensive desoldering and should only be attempted by a professional. ICD will install and test RAMBO XL on your computer for \$30.00 including shipping.

SpartaDOS Construction Set!



A special SpartaDOS utility package which includes six different SpartaDOS versions and many new disk utilities including: *Ramdisk support for the 130 XE and RAMBO XL*, ATR8000 support, RPM test, a high speed sector copier, hard disk drive support, and much, much more. A special menu file allows rapid transfer,

erasure, lock or unlock of tagged files, using *only* the SPACE bar, OPTION, START, cursor and SELECT keys. You want more you say? How about a 32 character keyboard buffer, intelligent switching between disk densities, a binary file games menu, subdirectories, time/date file stamping?

SpartaDOS is the *only* DOS with all these features. The new SDCS manual is 175 typeset pages of everything you wanted to know about SpartaDOS and the US Doubler. Also included is the SpartaDOS version 3.2 software and manual for BASIC XE, 1200XL, and hard disk drive support. There is so much software included in this package that we distribute SDCS on two unprotected disks using three sides! *Included free* are seven arcade games.

SpartaDOS, the essence of SDCS, is a totally new advanced DOS for the Atari Computer. SpartaDOS the entire 8-bit Atari Computer line; gives it the power of an Apple or IBM machine. SpartaDOS puts a time/date stamp on each file when it is created or rewritten. This information is then displayed when the directory is listed. SpartaDOS also supports the 1050 "dual density" which means you can use it with your unmodified 1050 in both single and dual density. Our US Doubler allows your 1050 access to all three densities. SpartaDOS also works with the Indus GT, Rana 1000, and other third party drives for the Atari.

SpartaDOS is also memory resident. This means you can go to BASIC then back to DOS without reloading DOS from disk. Special XL/XE SpartaDOS versions even give you an extra 4000 bytes of free memory! Input and output redirection is supported through 'batch files' and the 'print' command. SpartaDOS supports the ATR8000 with 5¼ and 8 inch, single or double sided drives, 36-80 tracks. An ATR8000 serial communications handler is also provided.

You get SpartaDOS **FREE** as part of the SpartaDOS Construction Set or with the US Doubler. SpartaDOS is also ready for hard disk drives when they become available! **SEE WHAT THE REVIEWERS SAY, INSIDE!**



ICD's revolutionary new printer and MODEM interface. Choose P:R:Connection and suddenly hundreds of printers and MODEMs are compatible with your Atari 400, 800, 600 XL, 800 XL, 1200 XL, 65 XE or 130 XE computer. The P:R:Connection is the latest in state-of-the-art products from ICD. Don't be tied

to the limited selection of 'Atari only' printers and MODEMs. The P:R:Connection allows the use of RS-232 standard MODEMs like Hayes, US Robotics, Prometheus, Bizcomp, Multitech, Novation, and SmartTEAM. Use standard parallel printers like Epson, Okidata, Diablo, C. Itoh, NEC, and Citizen. Most computers like the IBM PC, Atari ST, and Compaq have RS-232 standard serial ports and 'centronics' type parallel ports. These allow the use of 'industry standard' peripherals. Now your 8-bit Atari can use these same peripherals. This really makes sense if you ever plan on upgrading to an ST, an IBM PC or a PC compatible.

The P:R:Connection plugs directly into the serial port of any 8 bit Atari (13 pin SIO, or disk drive port) and provides the user with a standard 'centronics' printer port and two RS-232 type serial ports. The P:R:Connection is a direct replacement

for the old Atari 850 interface and uses the same software to load its RS-232 handler. No power supply is needed since the P:R:Connection draws a small amount of power from the Atari computer. That means one less cord cluttering your work space and fighting for an outlet. The P:R:Connection does the work of the Atari 850 interface while occupying much, much less of your desk top and your budget. The printer port has all the same signals and functions as the 850 printer port. Serial port 1 is just like serial port 1 on the 850 with all the same 'handshaking' lines. Serial port 2 is a general purpose port without handshaking. P:R:Connection supports all the 850 XIO commands except for the buffers command which is not supported. P:R:Connection has its buffers fixed at 256 bytes each which is larger than the defaults on the 850. The handler is totally relocatable and works with all DOS's and 850 programs. Note: 1200XL must be modified to use the P:R:Connection. Ask your dealer for information.

Cables — Between the Printer or MODEM and P:R:Connection. Cables are necessary to connect your printer or MODEM to the P:R:Connection. High quality 6 foot cables are available for printers with a 36 pin 'centronics' type connector or for MODEMs with the standard DB25S. Other configurations available upon request.

P:R:Connection!

**CONTEST
WINNERS
INSIDE**

ARCHIVER PRODUCTS

The **CHIP and Archiver I**, was the initial product offering of Spartan Software. The CHIP is a replacement ROM which is installed in the Atari 810 disk drive and provides certain enhancements which are accessed with Archiver software. The foremost advantage was the copying ability. The CHIP allows automatic duplication of custom formats and initially could duplicate all disks for the Atari. Currently it is not effective against the newer Electronic Arts and the new Synapse Software released by Atari. While we are shifting our strategies away from the copier markets we will still sell the Archiver and service 810 drives with our product installed. The other features of Archiver I are a great sector editor, a disassembler, mapper, and a custom formatter. These alone

make it worth the \$99.95. These are the features that Happy drives are missing and the reason for our Happy Archivers. The CHIP and US Doubler also produce fast format which is faster than Atari C ROM format.

Happy Archiver 810 & 1050 software loads into a Happy modified drive and makes it emulate an Archiver Chip drive. This Happy Archiver gives the Happy owner the utilities only found with Archiver I (a must for any serious hacker). Happy Archiver software comes on a protected format but is usable from both sides of the diskette. This package includes our extensive Archiver Chip manual. Note: Happy is the trademark of Happy Computing Inc.

MODEM SPECIALS

SmarTEAM 300/212A Modem
SmarTEAM 2400
US Robotics Courier 2400

\$219.00
\$399.00
\$499.00

300/1200 baud modem!
300/1200/2400 baud modem! *
300/1200/2400 the "Cadillac!"

SmarTEAM 300/212A is a fantastic value! This 300/1200 baud modem is the most Hayes compatible modem we have ever seen at less than half the price of a Hayes! It looks just like the Hayes and has half the components which means greater reliability. The SmarTEAM modem has all the indicator lights, the same switches, the same commands. Works with every program which requires a Hayes modem. At this price, 1200 baud will become the new standard! Uses RS232 standard interface.

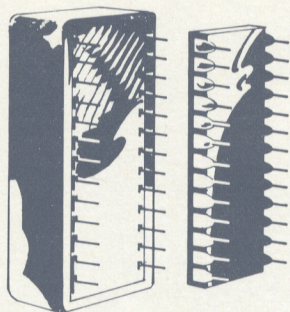
SmarTEAM 2400 all the features of the 300/212A plus 2400 baud operation! Our

price is targeted at \$399.00.* This Modem is still waiting for FCC approval so it cannot be sold yet. We will keep you posted on ICD BBS and in OPEN FILE.

US Robotics Courier 2400 is the "CADILLAC" of the new high tech modems. This one is *better* than the Hayes but also compatible. It's our personal favorite. Has all the switches plus 3 extras. The entire command summary is printed on the bottom of the case next to the switches which are also labeled! Provides busy tone detect, a switch to reverse pins 2 & 3, plus much more. RS232 standard interface.

PRODUCT REVIEWS

US DOUBLER



"In tests, the UltraSpeed I/O worked as stated. . . The old bleep of POKEY is replaced by a staccato rush that sounds more like machine gun fire. . . I've tested the U.S. Doubler in all three formats and am happy to report that it performs as promised. . . Most importantly, using the true double density afforded by this enhancement, I've attained compatibility with my friends disks, as well as reducing my disk count by one half."

Russell Haupt
ANALOG COMPUTING, MAY 1985

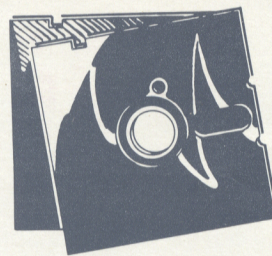
"If you have a 1050, this is a fantastic deal. It is fully compatible with all software, and allows a whole lot more disk space."

Peter Ellison
R.O.M. Magazine

". . . One of the best products of 1985 in the Unique Hardware category."

ANTIC, the Atari Resource

SpartaDOS Construction Set!



"There's an old saying that someone will always build a better mousetrap. ICD will certainly be catching more mice with there new SpartaDOS Construction Set (SDCS) . . . As I said before: The more I use it, the more I like ICD's SpartaDOS Construction Set. It could easily be the ultimate DOS for the 8-bit Atari computers."

THE END USER
Art Leyenberger
ANALOG Computing, OCT 1985

"The DOS is very rich in features and a great pleasure to use."

Russell Haupt
ANALOG Computing, MAY 1985

"SpartaDOS is the best I have ever used. . . a product so revolutionary it adds new life to the Atari. . ."

Peter Ellison
R.O.M. Magazine, DEC/JAN 1985

SEND US YOUR PRODUCT REVIEWS!

THANKS FOR YOUR SUPPORT

We welcome all new customers and thank all existing customers for their continued support of our products. If there are any questions please call ICD at 815/968-2228 from 8:00 - 5:00pm CST Monday - Friday. Due to the competitive price structure of our products, we are sorry we cannot accept collect calls.

THANKS FOR ALL YOUR RESPONSES!

Thanks to you, our contest was a big success! Responses by the hundreds came from as far away as the Netherlands! All of your guesses were interesting, some far-fetched and some right on target. A lot of the incorrect guesses contained some great ideas for new products and if we do develop some of them, OPEN FILE readers will be the first to know.

Again, thank you for making our contest a success. From the pool of all correct answers, 10 names were drawn at random for the prize award.



ICD CONTEST WINNERS AND THEIR ANSWERS

"I believe that ICD's new product is an inexpensive replacement for the hard to find ATARI 850 interface."

Brett Talbot
Bedford, NY

"I think your product is an inexpensive replacement for the ATARI 850."

George Lundberg
Oak Forest, IL

"A new serial/parallel combination port which daisy-chains from the ATARI serial port and allows the ATARI user the 'freedom of choice' to use any printer/plotter/modem (etc.) combination he/she desires."

Michael T. Davis
Lexington, OH

"I think your new product is an interface box which will allow ATARI products to connect to non-ATARI peripherals such as modems and printers."

David L. Tartaglia
Downingtown, PA

"I believe that your new product will be an interface with RS-232 and parallel ports (possibly 2 RS-232 and 1 parallel)."

Brian F. Reynolds
Minneapolis, MN

"Your new product for the ATARI Computer is a serial/parallel interface. It will be fully compatible with all ATARI 8-BIT computers and the software for the ATARI 850 Interface."

Frank J. Babka
Omaha, NE

"ICD's new product will be a new and improved ATARI 850 Interface for printers and modems."

Jim Weinhold
Florissant, MO

"I think ICD's new product is an interface with serial and parallel ports that will allow ATARI computers to use a much wider range of peripheral devices."

Walter Woodside
Gulf Breeze, FL

"I think the new ICD product is an interface that will give an ATARI Computer a serial/parallel port interface for printers and/or modems."

Robert L. Harris
Sioux Falls, SD

"The new product is an interface that is a substitute for the ATARI 850 interface with parallel and serial ports for both modems and printers."

Lance and Steve Goller
Miami, FL

ORDER FORM

Most of our products are available at your local dealers. Please check with them first. If you have trouble finding our products, however, you can order directly from us.

For direct orders we accept VISA & MASTERCARD (\$40.00 minimum), checks

and money orders; US Dollars (\$) only; no CODs. All orders (except upgrades) in continental USA add \$4.00 shipping and handling, HI, AK and CANADA add \$6.00, all other countries add \$9.00. ICD presently has dealers and distributors for our products all over the USA, CANADA, ENGLAND, and SWITZERLAND.

Code	Description	Quantity	Price Each	Total
RT8	R-TIME 8 Clock Cartridge		\$ 69.95	
USD	US DOUBLER!		\$ 69.95	
USD 5-8	US DOUBLER 5-8		\$ 50.00	
SDCS	SpartaDOS Construction Set!		\$ 39.95	
RXL	RAMBO XL		\$ 49.95	
PRC	P:R: Connection!		\$ 79.95	
PCBL	Printer Cable		\$ 15.00	
MCBL	Modem Cable		\$ 15.00	
HA 1050	Happy Archiver 1050		\$ 49.95	
HA 810	Happy Archiver 810		\$ 49.95	
CHIP	Archiver 1/CHIP		\$ 99.95	
ST212	SmarTEAM 300/212A		\$219.00	
ST24	SmarTEAM 2400 (available soon!)		\$399.00	
USR24	US Robotics Courier 2400		\$499.00	

Subtotal _____

Add applicable shipping charges (see above) _____

Ill. residents add applicable sales tax for your county _____

TOTAL _____

815 968 2229 24 Hr

METHOD OF PAYMENT

Check (✓) boxes that apply:

☐ VISA ☐ MASTERCARD (\$40.00 min. charge card order)

Card No. _____

☐ Check or Money order enclosed for \$ _____

Name _____

Co. Name _____

Address _____

City _____ State _____ Zip _____



ICD, Inc.
1220 Rock Street
Rockford, IL 61101-1437
815/968-2228

UPGRADES NOW AVAILABLE FROM ICD!

We have set a standard upgrade policy to keep up with all the requests for new files and changes as SpartaDOS matures. Some of the more recent changes and

additions to SpartaDOS include SCOPY — a high speed sector copier and RD.COM a RAMDISK handler for the memory upgrades.

Requirements and notes are as follows:

- 1) We must have your warranty/upgrade card on file.
- 2) For the SDCS upgrade, you must send in your old SD Master disk.
- 3) For a U8 replacement, you must send in your old U8.
- 4) For any warranty replacement, we must receive the defective device first.
- 5) All upgrade/replacement prices include shipping, overseas add \$4.00.

Upgrades:

SpartaDOS Construction Set (SDCS)	\$17.00	includes new manual, 2 disks
Latest revision U10 for US Doubler	\$7.00	compatible with Atari DOS 2.5
Most recent SpartaDOS versions & files	\$7.00	must send your Master disks in
SpartaDOS 3.2 upgrade	\$10.00	must send your Master disks in

Replacements for damaged products:

SDCS Manual	\$10.00	must send in old SDCS manual
Archiver Manual	\$15.00	must send in old manual
Program Diskettes	\$ 6.00	must send in old disk
U8 for US Doubler	\$15.00	must send in old U8
R-Time 8	\$20.00	must send in old R-Time 8

Drive Service (includes labor and shipping one way, parts are extra):

Installation of US Doubler	\$15.00
Re-installation of US Doubler	\$25.00
Installation of Chip (810)	\$25.00
Drive repair (810, 1050)	\$45.00

We do *not* support thieves. No upgrades, replacements, or repairs to known pirates!

Our new mailing and shipping addresses are as follows:



ICD, Inc.
1220 Rock Street
Rockford, IL 61101-1437
815/968-2228

Address Correction Requested

